

USB 2.0+1394a CardBus Combo

Quick Installation Guide

1. Introduction

This USB 2.0+1394a CardBus Combo provides two USB 2.0 ports and two 1394a (one 6-pin and one 4-pin) ports for your notebook computer for various kinds of high-speed USB 2.0/1.1 and 1394 devices connections.

1-1 Features and Benefits

- Provides high-speed USB2.0 (480Mbps) and 1394a (FireWire, 400Mbps) interface into your notebook computer at once!
- Provides two USB 2.0 and two 1394a (FireWire) ports for connecting multiple USB 2.0/1.1 and 1394a (FireWire) devices including CD-RW/DVD-ROMs, removable drives, PC video cameras, hubs, digital camcorders/cameras, USB flash drives, memory card reader/writers and more
- Works with Sony, Panasonic, Cannon, Sharp, JVC and many other brands of DV camcorders
- Switching power adapter (optional or included) provides sufficient bus-power for USB 2.0/1.1 devices operation
- Hot-swapping feature allows you to connect/detach devices without turning off system
- **USB interface:**
 - Compliant with USB specifications Rev. 2.0
 - Adds two USB 2.0 ports supporting simultaneous operation up to 128 USB 2.0/1.1 devices

- Supports 480Mbps, 12Mbps and 1.5Mbps data transfer rates
- Works with various types of USB 2.0/1.1 devices including hard drives, scanners, removable drives, CD-RW/DVD-ROM drives, digital cameras, memory card reader/writers, USB flash drives, printers and more
- **1394 interface:**
 - Compliant with P1394a-2000 and OHCI 1.1 standards
 - Two 1394a (FireWire, one 6-pin and one 4-pin) ports support simultaneous operation up to 63 devices
 - Supports data transfer rates of 100, 200 and 400Mbps
 - Works with various types of 1394a (FireWire) devices including hard drives, DV camcorders, scanners, digital camera, CD-RW/DVD-ROM drives, removable drives and other audio/video devices

1-2 System Requirements:

- Pentium II or equivalent PC computer with one available CardBus PC Card Type II slot
- Windows 98SE/ME/2000/XP
- Recommended system for Digital Video creating/editing:
 - Pentium II or above notebook computer
 - 64MB RAM and CD-ROM drive
 - 1 GB of available hard disk space
 - Video card with 4MB RAM
 - Windows 98SE or later

2. Installation

2-1 Hardware Installation

General instructions for installing the CardBus Combo are given since the location of the 32-bit PCMCIA (CardBus) type II slot may vary between different portable computers.

1. Insert the CardBus Combo into an available 32-bit PCMCIA (CardBus) type II slot slowly and carefully.
2. If the CardBus Combo comes with switching power adapter or you buy one according to the specification listed, connect the plug to the CardBus Combo.
3. Hardware installation is complete now.

Please proceed to the next section for driver installation.



Fig 2-1 Install the CardBus Combo and switching power adapter

Note:

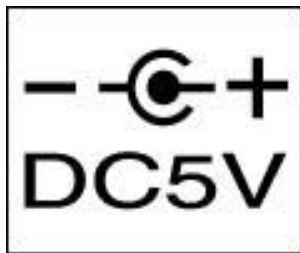
This CardBus Combo provides limited bus-power for USB ports. However, you will need to have a switching power adapter if your USB devices require higher bus-power, like USB flash drive, PC camera,...etc.

This CardBus Combo does not provide any bus-power for 1394a (FireWire) ports. Please attach your 1394a (FireWire) device's power adapter before connecting to this CardBus Combo.

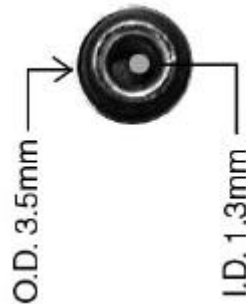
Specification of switching power adapter:

Input: AC 100-240V, 50/60Hz, 1.0A(Max.)

Output: DC 5V, 2.4A(Max.)



Polarity of DC plug



Dimension of DC plug



Length of DC plug

2-2 Software Installation

2-2.1 Windows 98SE Driver Installation

1. Boots up your portable computer.
2. Insert the CardBus Combo into the 32-bit CardBus slot.
3. When **Add New Hardware Wizard** displays **ALi PCI to USB Open Host Controller**, press **Next**.
4. Insert **Windows 98SE CD-Title** into your CD-ROM drive.

5. Check **Search for the best driver for you device**.
[**Recommended**], click **Next, Next, Next, Next** then click **Finish**.
6. When **Add New Hardware Wizard** displays **PCI Universal Serial Bus**, click **Next, Next, Next, Next**, then **Finish**.
7. When **Add New Hardware Wizard** displays **PCI OHCI Compliant IEEE 1394 Host Controller**, click **Next, Next, Next, Next**, and **Finish**.
8. Remove **Windows 98SE CD-Title** and insert **driver CD-Title** into your CD-ROM drive.
9. Go to **my computer** select **CD-drive**, and double click **EHCI_ALi**.
10. When **Installshield Wizard** displays, click **Next**.
11. Remove the **driver CD-Title** and select **Yes, I want to restart my computer now**, then click **Finish**.

Eject CardBus Combo under Windows 98SE

1. Right click **My Computer**, select **Properties**, click **Device Manager**, then double click **Universal Serial Bus controllers**.
2. Select **ALi PCI to USB Open Host Controller**, click **Remove**, click **OK**.
3. Click **Universal Serial Bus controllers** again.
4. Select **ALi PCI to USB Enhanced Host Controller**, click **Remove**, then click **OK**.
5. Click **1394 Bus Controller**.
6. Select **PCI OHCI Compliant IEEE 1394 Host Controller**, click **Remove**, then click **OK**.
7. Now you can softly eject USB 2.0+1394a CardBus Combo.

2-2.2 Windows ME Driver Installation

1. Boots up your portable computer.
2. Insert the CardBus Combo into the 32-bit CardBus slot.
3. Windows ME will automatically detect the new hardware.
4. When **Add New Hardware Wizard** displays **PCI Universal Serial Bus**, click **Next**, then **Finish**.
5. When **Add New Hardware Wizard** displays **PCI OHCI Compliant IEEE 1394 Host Controller**, click **Next**, then **Finish**.
6. Insert the **driver CD-title** into your CD-ROM drive.
7. Go to **my computer** select **CD-drive**, and double click **EHCI_ALi**.
8. When **Installshield Wizard** displays, click **Next**.
9. Remove the **driver CD-title** and select **Yes, I want to restart my computer now**, then click **Finish**.

Eject CardBus Combo under Windows ME

1. Right click **My Computer**, select **Properties**, click **Device Manager**, then double click **Universal Serial Bus controllers**.
2. Select **ALi PCI to USB Enhanced Host Controller**, click **Remove**, then click **OK**.
3. Click **Universal Serial Bus controllers** again.
4. Select **ALi PCI to USB Open Host Controller**, click **Remove**, then click **OK**.
5. Click **1394 Bus Controller**.
6. Select **PCI OHCI Compliant IEEE 1394 Host Controller**, click **Remove**, then click **OK**.

7. Now you can softly eject USB 2.0+1394a CardBus Combo.

2-2.3 Windows 2000 Driver Installation

1. Boots up your portable computer.
2. Insert the CardBus Combo into the 32-bit CardBus slot.
3. Windows 2000 will automatically detect the new hardware.
4. When **Found New hardware Wizard** displays, click **Next**.
5. Choose **Search For a suitable driver for my device [Recommended]** click **Next**, **Next** and **Finish**.
6. Insert the **driver CD-title** into your CD-ROM drive.
7. Go to **my computer** select **CD-drive**, and double click **EHCI_ALi**.
8. When **InstallShield Wizard** displays, click **Next**, then **Finish**.
9. Remove the **driver CD-title** and restart your system to complete the installation

Eject CardBus Combo under Windows 2000

1. Go to Taskbar, click PC Card icon.
2. Select **Stop OHCI Compliant IEEE 1394 Host Controller**.
3. When **Safe To Remove Hardware** dialogue displays, click **OK**.
4. Now you can softly eject USB 2.0+1394 combo CardBus adapter.

2-2.4 Windows XP Driver Installation

1. Boots up your portable computer.
2. Insert the CardBus Combo into the 32-bit CardBus slot.
3. Windows XP will automatically detect the new hardware.

4. When **Found New hardware Wizard** displays **Universal Serial Bus (USB) Controller**, click **Next**, **Next**, and **Finish**.
5. Insert the **driver CD-title** into your CD-ROM drive.
6. Go to my **computer** select **CD-drive**, and double click **EHCI_ALi**.
7. When **InstallShield** displays, click **Next**, then **Finish**.
8. When **Found New Hardware Wizard** displays **USB 2.0 Root Hub**, click **Next**.
9. When **Hardware Installation** displays **USB 2.0 Root Hub**, click **Finish**.
10. Remove the **driver CD-title** and restart your system to complete the installation.

Eject CardBus Combo under Windows XP

1. Go to Taskbar, click PC Card icon.
2. Select **Safely remove OHCI Compliant IEEE 1394 Host Controller**.
3. When **Safe to Remove Hardware** dialogue displays, you can softly eject USB 2.0+1394a CardBus Combo.



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